

Title (en)

High glucose-determining analytical element.

Title (de)

Testelement zur Bestimmung von Glukose in hoher Konzentration.

Title (fr)

Élément d'analyse pour la détermination du glucose à teneur élevée.

Publication

**EP 0101799 A1 19840307 (EN)**

Application

**EP 83105500 A 19830603**

Priority

US 38812382 A 19820614

Abstract (en)

@ An analytical element for quantitatively determining high levels of glucose in blood is made by (a) impregnating a carrier with a first solution, having dissolved therein 4-aminoantipyrine and 3-hydroxy-2,4,6-triiodobenzoic acid or 3,5-dichloro-2-hydroxy-benzene sulfonic acid or salts thereof, a glucose oxidase and a peroxidase, and drying the carrier; and (b) applying to the carrier a second solution of a film-forming agent in a volatile solvent, and drying to remove the volatile solvent and leave a film over the dried first impregnant.

IPC 1-7

**C12Q 1/54**; **G01N 33/52**

IPC 8 full level

**C12Q 1/00** (2006.01); **C12Q 1/26** (2006.01); **C12Q 1/28** (2006.01); **C12Q 1/54** (2006.01); **G01N 31/22** (2006.01); **G01N 33/52** (2006.01); **G01N 33/66** (2006.01)

CPC (source: EP US)

**C12Q 1/28** (2013.01 - EP US); **C12Q 1/54** (2013.01 - EP US); **G01N 33/523** (2013.01 - EP US); **G01N 33/526** (2013.01 - EP US); **C12Q 2326/50** (2013.01 - EP US); **C12Q 2326/96** (2013.01 - EP US); **Y10S 435/805** (2013.01 - EP US); **Y10T 436/144444** (2015.01 - EP US)

Citation (search report)

- [X] EP 0036563 A1 19810930 - MILES LAB [US]
- [YP] EP 0071934 A1 19830216 - MILES LAB [US]
- [Y] CHEMICAL ABSTRACTS, vol. 92, no. 7, 18th February 1980, page 322, no. 54639h, Columbus, Ohio, USA

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EP0182225A3; EP0345460A3; EP0158190A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**US 4427770 A 19840124**; AR 229910 A1 19831230; AT E16820 T1 19851215; AU 1318783 A 19840105; AU 540228 B2 19841108; CA 1192821 A 19850903; DE 3361404 D1 19860116; DK 158645 B 19900625; DK 158645 C 19901119; DK 270683 A 19831215; DK 270683 D0 19830613; EP 0101799 A1 19840307; EP 0101799 B1 19851204; ES 523242 A0 19840516; ES 8405153 A1 19840516; FI 77894 B 19890131; FI 77894 C 19890510; FI 832096 A0 19830610; FI 832096 L 19831215; IE 55165 B1 19900620; IE 831383 L 19831214; IL 68312 A0 19830731; IN 159163 B 19870404; JP H0355120 B2 19910822; JP S596900 A 19840113; MX 156030 A 19880616; NO 162638 B 19891016; NO 162638 C 19900124; NO 831986 L 19831215; ZA 832503 B 19840627

DOCDB simple family (application)

**US 38812382 A 19820614**; AR 29276283 A 19830420; AT 83105500 T 19830603; AU 1318783 A 19830406; CA 425034 A 19830331; DE 3361404 T 19830603; DK 270683 A 19830613; EP 83105500 A 19830603; ES 523242 A 19830614; FI 832096 A 19830610; IE 138383 A 19830613; IL 6831283 A 19830406; IN 336DE1983 A 19830523; JP 10298283 A 19830610; MX 19761983 A 19830610; NO 831986 A 19830602; ZA 832503 A 19830411